

## ABSTRACT

A method of assigning a buffer size in a video decoder includes the step of establishing a first buffer size for a scalable buffer. A video data stream is then processed with the scalable buffer configured to the first buffer size. A second buffer size is then selected for the scalable buffer. The video stream is then processed with the scalable buffer configured to the second buffer size. Memory utilization data characterizing memory performance during processing with the scalable buffer at the first buffer size and the second buffer size is then created. Afterwards, a buffer size is assigned for the scalable buffer in accordance with the memory utilization data.

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